

CLAIMS

We claim:

1. A method of manufacturing a liquid crystal micro display (lcmd), said method comprising:
creating a hole in a substrate;
causing liquid crystal material to flow through said hole; and
sealing said hole.
2. The method of claim 1, further comprising :
testing said lcmd after sealing said hole.
3. The method of claim 2, further comprising:
separating said lcmd from other lcinds after testing said lcmd.
4. The method of claim 1, wherein said substrate is a semiconductor substrate.
5. The method of claim 4, wherein the semiconductor substrate comprises an integrated circuit.
6. The method of claim 4, wherein the semiconductor substrate is part of a silicon wafer.
7. The method of claim 1, wherein said substrate comprises glass.
8. The method of claim 1, wherein said hole is sealed using a sealant material selected from a group consisting of glue, epoxy, and solder.

9. A method of manufacturing a first liquid crystal micro display (lcmd) comprising:
testing said first lcmd while it is physically connected to a second lcmd;
and
separating said first lcmd from said second lcmd after said testing.

5

10. The method of claim 9, wherein said first lcmd comprises a semiconductor substrate having an integrated circuit and a glass substrate having a transparent electrode.

10

11. The method of claim 10, wherein said integrated circuit comprises electrodes.

12. The method of claim 11, wherein said testing includes causing a voltage difference between the integrated circuit electrodes and the transparent electrode.

15

13. The method of claim 12, wherein said testing includes determining whether the lcmd produces a uniform image.

20

14. A liquid crystal micro display (lcmd) comprising:
a first substrate; and
a second substrate having a hole extending through a thickness thereof.

15. The lcmd of claim 14, wherein said hole can be used for filling the lcmd with liquid crystal material.

25

16. The lcmd of claim 14, wherein the second substrate is a semiconductor substrate comprising an integrated circuit.

17. The lcmd of claim 14, wherein the second substrate comprises glass.

- | Variable | Mean | SD | Min | Max | Skewness | Kurtosis | Normality |
|-------------------|-------|------|------|-------|----------|----------|-----------|
| Age | 35.2 | 12.5 | 18 | 65 | 0.15 | 3.2 | 0.98 |
| Gender | 0.55 | 0.50 | 0 | 1 | -0.05 | 3.0 | 0.99 |
| Marital Status | 0.70 | 0.46 | 0 | 1 | -0.10 | 3.1 | 0.99 |
| Education | 12.5 | 2.5 | 8 | 16 | 0.20 | 3.3 | 0.97 |
| Income | 15000 | 8000 | 5000 | 30000 | 0.30 | 3.5 | 0.95 |
| Health | 0.85 | 0.35 | 0 | 1 | -0.15 | 3.2 | 0.98 |
| Stress | 0.60 | 0.40 | 0 | 1 | -0.10 | 3.1 | 0.99 |
| Depression | 0.45 | 0.50 | 0 | 1 | -0.05 | 3.0 | 0.99 |
| Life Satisfaction | 0.75 | 0.40 | 0 | 1 | -0.10 | 3.1 | 0.99 |
| Resilience | 0.65 | 0.45 | 0 | 1 | -0.10 | 3.1 | 0.99 |
| Optimism | 0.70 | 0.45 | 0 | 1 | -0.10 | 3.1 | 0.99 |
| Self-Esteem | 0.75 | 0.40 | 0 | 1 | -0.10 | 3.1 | 0.99 |
| Life Satisfaction | 0.75 | 0.40 | 0 | 1 | -0.10 | 3.1 | 0.99 |
| Resilience | 0.65 | 0.45 | 0 | 1 | -0.10 | 3.1 | 0.99 |
| Optimism | 0.70 | 0.45 | 0 | 1 | -0.10 | 3.1 | 0.99 |
| Self-Esteem | 0.75 | 0.40 | 0 | 1 | -0.10 | 3.1 | 0.99 |